Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

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ER 210799271 US Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b)) Assistant Commissioner for Patents ADDRESS TO: **Box Patent Application** APPLICATION ELEMENTS Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) Computer Program (Appendix) 1.10 8. Nucleotide and/or Amino Acid Sequence Submission (Submit an original and a duplicate for fee processing) Applicant claims small entity status. (if applicable, all necessary) See 37 CFR 1.27. Computer Readable Form (CRF) 10 [Total Pages Specification 3. referred arrangement set forth below Specification Sequence Listing on: - Descriptive title of the invention i. CD-ROM or CD-R (2 copies); or - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D 11. 🔲 paper - Reference to sequence listing, a table, Statements verifying identity of above copies or a computer program listing appendix ACCOMPANYING APPLICATION PARTS - Background of the Invention - Brief Summary of the Invention Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) Power of - Detailed Description 37 CFR 3.73(b) Statement **Attorney** (when there is an assignee) - Claim(s) 10. - Abstract of the Disclosure English Translation Document (if applicable) Copies of IDS Drawing(s) (35 U.S.C. 113) [ Total Sheets Citations Information Disclosure 4. 12. Statement (IDS)/PTO-1449 [ Total Pages 5. Oath or Declaration **Preliminary Amendment** Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) (2) (Should be specifically itemized) 14. Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Nonpublication Request under 35 U.S.C. 122 Signed statement attached deleting inventor(s) (b)(2)(B)(i). Applicant must attach form PTO/SB/35 named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). or its equivalent. Serial No: Postcard (2) Other: Application Data Sheet. See 37 CFR 1.76 17. Certificate of Mailing ..... 6. 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: of prior application No.: Continuation-in-part (CIP) Divisional Continuation Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below Customer Number or Bar Code Label 35987 Name PATENT TRADEMARK OFFICE Zip Code **Address** State City Fax Telephone Country 34,571 Registration No. (Attorney/Agent) Joseph P. Curtin Name (Print/Type) 06/30/2003 Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



## **CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10**

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## MAIL STOP PATENT APPLICATION

**Commissioner For Patents** 

P.O. Box 1450

Alexandria, VA. 22313-1450

On June 30, 2003.

Joseph P. Curtin, Reg. No. 34,571

This certificate identifies all of the documents being submitted via Express Mail:

Application Transmittal Form (1 page)

Fee Transmittal Form (1 page)

Fee Transmittal Form (copy) (1 page)

Application entitled "Use of Shunt Resistor With Large RA Product Tunnel Barriers"

(10 pages)

Formal Drawings (3 sheets)

Declaration (2 pages)

Application Data Sheet (5 pages)

Assignment Recordation Request and Assignment (3 pages)

Information Disclosure Statement (1 page)

Form PTO-1449 (1 page)

1 Reference

Filing Postcard (2)

Serial No. Postcard (2)

PTO/SB/17 (01-03)

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## FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Name (Print/Type)

Signature

Joseph P. Curtin

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Application Number	ТВА	
Filing Date	June 30, 2003	
First Named Inventor	Tsann LIN	
Examiner Name	TBA	
Art Unit	TBA	
Attorney Docket No.	HS.1920030019LIS1	

METHOD OF PAYMENT (check all that apply)   FEE CALCULATION (continued)	METHOD OF PAYMENT (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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Total Claims	Charge fee(s) indicated below, except for the filing fee	Examiner action		
1. BASIC FILING FEE	to the above-identified deposit account.	Examiner action		
Large Entity   Small Entity   Fee   Fee   Fee   Description   Fee   Paid   1253   330   2253   365   Extension for reply within third month   1254   1,450		20 Extension to reply within first month		
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1003   520   2003   260   Plant filing fee	750	1255 1,970 2255 985 Extension for reply within fifth month		
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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Registration No.

34,571

Telephone 503-296-8373